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TITLE: Fluorolefin polymers and copolymers

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AB Polymers and copolymers from $\text{RCH:CH}(\text{CH}_2)_n\text{O}_2\text{CCR}':\text{CH}_2$ (R is C1-10 fluoroalkyl, R' is H or Me, n is 2-10) is claimed. In an example, a mixt. of 45 g. $\text{CF}_3(\text{CF}_2)_6\text{CH:CHCH}_2\text{CH}_2\text{O}_2\text{CCH:CH}_2$, 25 g. $\text{CH}_2:\text{CMeCO}_2\text{Me}$, 500 cc.

H₂O

(free from O), 5 g. $\text{C}_7\text{F}_{15}\text{CO}_2\text{NH}_4$, and 35 g. Me_2CO is heated to 50.degree. in N with stirring, and polymn. is conducted 6 hrs. at 60-5.degree. after the addn. of 2.5 g. $\text{K}_2\text{S}_2\text{O}_8$ in 100 cc. H₂O to give the stable ***emulsion*** (I) of 6.5 wt. %. Cotton or leather, treated with 1% concn. of I and dried at 100.degree. or 130.degree., resp., shows good H₂O repellence. Softening point of the polymer is >50.degree..

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